

Assessment Inventory Results: Identifying Priorities and Actions in California

June 2, 2003

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SWAP Assessments

Total Assessments to do and Progress as of 5/16/2003

	# PWS	% Comple t	# GW Sources	% Comple t	# SW Sources	% Comple t
Community	3,617	68%	8,964	86%	780	60%
Non-Transient	1,461	89%	1,861	93%	96	63%
Transient	3,219	86%	3,439	96%	245	77%
Total	8,297	78%	14,264	90%	1,121	64%

Assessments Performed by:

42% DHS

38% Counties

19% PWS

Methods:

- Personal knowledge by staff
- File review
- Field review
- Database queries/GIS

Assessment Findings

"Most Prevalent" PCAs*

GW (14,200 Sources)	
Roads & Streets	71%
Septic Systems	53%
Water Supply Wells	60%
High Density Housing	42%
Surface Water Bodies	38%
Sewer Collection Systems	38%
Freeways/State Highways	33%
Above Ground Tanks	27%
Fertilizer/Pesticide Appl.	26%
Schools	26%

SW (1,100 Sources)	
Surface Water Bodies	82%
Roads & Streets	69%
Septic Systems	60%
Campgrounds/Rec Areas	50%
Water Supply Wells	50%
DW Treatment Plants	47%
Surface Water Recreation	47%
Freeways/State Highways	47%
Above Ground Tanks	38%
Sewer Collection Systems	38%

* Possible Contaminating Activities occurring most frequently in any zone

Assessment Findings

"Most Threatening" PCAs*

GW	
Septic Systems	44%
Sewer Collection Systems	35%
Auto Repair Shops	12%
Ag/Irrigation Wells	11%
Gas Stations	10%
Known Contaminant Plumes	9%
Ag Drainage	8%
Leaking Underground Tanks	8%
Machine Shops	7%
Historic Gas Stations	7%

Zone A = 600' Min. Radius

SW	
Surface Water Recreation	31%
Septic Systems	28%
Managed Forests	14%
Sewer Collection Systems	12%
Ag Drainage	11%
Grazing	8%
Recent Burn Areas	7%
Historic Mining Operations	6%
NPDES Permitted Discharges	6%
WW Treatment & Disposal	5%

Zone A = w/in 400' of SW body or
w/in 2,500' of intake

* Very High and High Risk PCAs occurring in Zone A

Challenges

- Not enough staff
- Not enough time or resources
- Springs & GWUDI sources difficult
- Other agency data not accessible

Rewards

- Innovative Software “TurboSWAP”
- GIS Mapping Tool
- Improved SDWIS Inventory
- Participation by PWS

Continuing Concerns

- Finishing assessments
- Updating assessments
- New sources
- Inconsistency/Inaccuracy
- Collecting source water protection data

Next Steps

- Share results with other agencies
- Coordinate Data w/ other agencies
- Encourage PWS to apply for SRF SWP loans
- Encourage PWS to undertake SWP